

RECEIVED

DEC 12 1991

DIVISION OF
OIL GAS & MINING**EarthFax**

EarthFax
Engineering Inc.
Engineers/Scientists
7324 So. Union Park Ave.
Suite 100
Midvale, Utah 84047
Telephone 801-561-1555

December 12, 1991

Mr. Rick Summers
Division of Oil, Gas, and Mining
State of Utah Natural Resources
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

SUBJECT: Modification of surface water diversion DD-3 - installation of
culvert C-7. Crandall Canyon Mine, Permit # 015-032

Dear Rick:

Genwal is planning to construct an additional surface structure adjacent to their presently existent metal shop. Footings for this structure will be in the vicinity of the eastern end of drainage ditch DD-3 (see Plate 7-5a). To enable construction of an additional surface structure Genwal has designed a modification to DD-3 where the eastern portion of the ditch is replaced with a 12-inch culvert, C-7.

EarthFax Engineering has investigated the design flow of DD-3 (10 yr. 24 hr.: page 7 of Appendix 7-11) and determined that a 12-inch culvert would be adequate to handle the design flow.

Please find enclosed 14 copies of pages 26c and 26d to be inserted into Appendix 7-7 (Diversion Calculations). Also enclosed is an updated copy of Plate 7-5a showing the location of culvert C-7.

If you have any questions or comments please don't hesitate to call myself (561-1555), or Jay Marshall (687-9813).

Sincerely,

Brent K. Bovee
Geologist

cc: Jay Marshall, Genwal